



## **M-14D2**

### **Locomotive engine oil**

#### **DESCRIPTION**

Blended with mineral base stocks and foreign additives M-14D2 engine oil is designed for locomotive diesel engines and high-power turbocharged engines of open-pit dump trucks where the use of CD oils is recommended. M-14D2 exhibits improved, compared to M-14G2CS, acid neutralizing capacity, cleaning and anti-wear properties as well as high temperature oxidation resistance – similar to foreign fourth generation oils.

#### **BENEFITS**

- Extends oil change interval and prolongs fine filter service life 1.7-2 fold in comparison with M-14G2CS
- Provides excellent resistance to oxidation, wear and corrosion
- Exhibits good cleaning and dispersing properties even when fuel with increased concentration of sulphur is used
- Stable performance at high temperatures

#### **APPLICATIONS**

- Locomotive engines, as well as high-power turbocharged diesel engines of open-pit dump trucks, where the use of API CD or earlier specification oils is recommended.

#### **SPECIFICATIONS AND APPROVALS**

##### **M-14D2 oil complies with/approved by:**

- Kolomensky Zavod, JSC
- API CD
- MB 228.0
- MAN 270
- MTU Type 1



## TYPICAL PROPERTIES

<i>Typical Properties</i>	<i>M-14D2</i>
Viscosity, cSt @ 100 °C	14.0
Viscosity Index	94
Flash Point, COC, °C	240
Pour Point, °C	-18
Base Number, mg KOH/g	13.6
Sulphated Ash, %	1.85
Density @ 20 °C, g/cm <sup>3</sup>	0.899

## HEALTH AND SAFETY

When used as directed, M-14D2 oil has no adverse effects either on health or environment. Beyond normal hygiene no special precautions are required. Avoid contact with skin. Wear protective gloves. In case of contact, flush immediately with water and soap. For more information please refer to the Safety Data Sheet.

## REDUCED ENVIRONMENTAL IMPACT

Place used product in an appropriate waste disposal container. Dispose via a licensed waste disposal contractor. Do not discharge waste lubricant into groundwater, watercourses, soil, sewerage or drainage systems.